

PPS31 Wellhead Pressure Logger

The PPS31 logger is a wellhead digital pressure and temperature monitoring instrument. The application of radio transmission allows operators to receive real time data which is stored in its memory chip. Pressure and temperature can also be directly read from the LCD (liquid crystal display). The intrinsically safe design permits the logger to be used in critical environments.



Applications

- Gas Wellhead Build-up Tests
- Stimulation Monitoring
- Pipeline monitoring
- Fracture Monitoring
- Wellhead Monitoring
- Injection Pressure Monitoring
- Perforation Monitoring
- Workover Monitoring

Specifications

Sensor Type	Silicon-Sapphire
Service	Sour Service (available upon request)

Metrology–Pressure

Drift–psi/yr	<3
Accuracy–psi full scale	± 0.03%
Resolution–psi	0.0003%
Range–psi	Up to 15 kpsi

Metrology–Temperature

Rating–°C	-40 (-40°F) to 80 (176°F)
Accuracy–°C	± 0.5
Resolution–°C	0.01

Characteristics

Power Source	2 D lithium cells
	Up to one year usage at 1 second sampling rate
Display Mode	LCD
Data Set	Time/Pressure/Temperature
Memory Capacity	1,000,000 data sets standard
Data Receiving Mode	Wireless (915MHz, ISM)
Wireless Transmission Distance	328' (100m)
Transmission Power	+ 10 dbm
Outside Diameter of Indicator Dial	4.625" (117.48 mm)
Overall Length	10" (254 mm)
Work Mode	MRO / SRO
Sample Rate	1 sec to 18 hours per sample
Connection	1/2" NPT/Autoclave
Safety Rating	C.S.A. / Class I, Division 1, CE Marking

